

MANIFOLD SENSOR RETENTION SYSTEM
ABSTRACT OF THE DISCLOSURE

A system for retaining a sensor on an injection molded intake manifold that uses a twist-lock connection within the receiving port. The sensor body has outwardly projecting lugs that pass between inwardly projecting lugs in the receiving port. The face of the manifold is formed with external guiding projections around the receiving port that direct insertion of the sensor into the receiving port in a specific first, unlocked orientation, and permit rotation of the sensor to a second, locked orientation. After the sensor is rotated to the locked orientation, attachment of an external connector, such as a wire harness, prevents the sensor from being rotated back to the first, unlocked orientation by interfering with the external guiding projections.